

# Work Order ID 61898

Thursday, September 09, 2010 1:11:42 PM



Page 1

Item ID: D350-561-141

Accept



Setup Start



Revision ID:

Stop



Item Name: Single Cargo Mirror Assembly

Start Date: 9/9/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 9/17/2010 Req'd Qty: 1.00

Customer:

Reference:

Approvals:

Process Plan:

*[Signature]*

Date: 10-9-09

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start



Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

N/A D350-561

Rev N/A Rev D

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D350-561-141 CHG003

*8/10/09/14*

*Pro →*  
*for BG 10-9-14*  
*(white Label ONLY)*

105

Pick Kit

0.00



Packaging

Memo

0.00

Packaging

*cdl/14/14*

110

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

Quality Control

*8/10/09/14*

*(+1)*

W/O: 61898		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
10/9/14	#100	perm. change update header box <sup>for a</sup> <del>for</del> Rev D " AND ADD Day number	<i>[Signature]</i>	10.09.14			<i>[Signature]</i> 10/09/14	

Part No: D350-561-141 PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**Work Order ID 61898**

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Item ID: D350-561-141

Accept

Revision ID:

Item Name: Single Cargo Mirror Assembly

Start Date: 9/9/2010 Start Qty: 1.00

Required Date: 9/17/2010 Req'd Qty: 1.00

Reference:

Cust Item ID:

Customer:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

120

0.00



Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D350-561-141

130

0.00



QC

QC21- Final Inspection - Work Order Release

Memo

0.00

Quality Control

10/09/14

N 10-9-14

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

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Work Order ID: 61898

Parent Item: D350-561-141

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 9/9/2010


Required Date: 9/17/2010

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP A 07.07.26 new issue (DSI9379) EC verified by:JLM IPP rev  
B 10.02.16 per ecn 10-523 EC verified by: DD IPP Rev:C add pick kit  
DD 10.03.15 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D2011-101		Manufactured	No			105	Each	57.0000	1	1			
5 													
6" Mirror													


Location	Loc Qty	Loc Code
----------	---------	----------

ST227	50	
-------	----	--

61742	50	
-------	----	--

ST231	7	
-------	---	--

58398	7	
-------	---	--


D2012-105		Manufactured	No			105	Each	20.0000	1	1			
5 													
Arm													

Location	Loc Qty	Loc Code
----------	---------	----------

ST229	20	
-------	----	--

59807	10	
-------	----	--

60426	10	
-------	----	--

D2012-107		Manufactured	No			105	Each	14.0000	1	1			
5 													
Clevis													

Location	Loc Qty	Loc Code
----------	---------	----------

ST004	14	
-------	----	--

46634	14	
-------	----	--

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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**NOTE:** Date & initial all entries

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Work Order ID: 61898

Parent Item: D350-561-141

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 9/9/2010

Required Date: 9/17/2010

Start Qty: 1.00

Required Qty: 1.00

S D2012-111 Manufactured No 105 Each 10.0000 1 10/9/14SL  
Bracket

Location Loc Qty Loc Code

ST004 10  
40148 10

S D2012-115 Manufactured No 105 Each 51.0000 1 10/9/14SL  
Bracket, Clevis

Location Loc Qty Loc Code

ST004 51  
25581 51

S D2022-101 Manufactured No 105 Each 67.0000 2 10/9/14SL  
Spacer

Location Loc Qty Loc Code

ST504 67  
50746 23  
52325 44

S D3629-1 Manufactured No 105 Each 5.0000 1 10/9/14SL  
Bracket

Location Loc Qty Loc Code

ST244A 5  
48560 5

S D3635-1 Manufactured No 105 Each 7.0000 1 10/9/14SL  
Gasket

Location Loc Qty Loc Code

ST076 7  
60427 7

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Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID: 61898

Parent Item: D350-561-141

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 9/9/2010

Required Date: 9/17/2010

Start Qty: 1.00

Required Qty: 1.00

D363-3



Gasket

Manufactured No

105 Each

32.0000

2



2  
10/9/14sf

Pro →

Location

Loc Qty

Loc Code

ST076

32

56399

32

8

D3646-1



Arm

Manufactured No

105 Each

14.0000

1



1  
10/9/14sf

Location

Loc Qty

Loc Code

ST229

14

58836

6

60428

8

1

D3646-3



Arm

Manufactured No

105 Each

14.0000

1



1  
10/9/14sf

Location

Loc Qty

Loc Code

ST229

14

58837

4

60429

10

1

D4070-041



Clamp

Manufactured No

105 Each

61.0000

2



2  
10/9/14sf

Location

Loc Qty

Loc Code

ST460

61

56381

61

2

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# Dart Aerospace Ltd

W/O: 61898		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
10/9/14	#100	Perm. change. Remove From w/o + Bom. no longer on Part list Rev D. <sup>E</sup> isolate up Date w/o + Bom. ADD copy of new Bom for Reference.					<div>S</div> 10/9/14	
10/9/14	#100	missing From w/o A13-SA <del>A10505</del> Qty x3 per kit <sup>E</sup> isolate up Date w/o + <del>part</del> Bom per Rev D Part list. ADD copy of Bom for Ref.	<div>SL</div> <div>M</div>	<div>10/9/14</div> <div>10.09.14</div>			<div>S</div> 10/9/14	

Part No: D350-561-141 PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Work Order ID: 61898

Parent Item: D350-561-141

Parent Item Name: Single Cargo Mirror Assembly

Start Date: 9/9/2010

Required Date: 9/17/2010

Start Qty: 1.00

Required Qty: 1.00

AN3-4A

Purchased

No

105

Each

1,132.000

3

3



Bolt



10/9/14 SP

Location

Loc Qty

Loc Code

ST350

1132

104214

129

104291

300

104322

200

104374

200

104625

300

104817

3

3

AN3-6A

Purchased

No

105

Each

249.0000

1

1



Bolt



10/9/14 SP

Location

Loc Qty

Loc Code

ST351

249

113359

49

114941

200

1

AN4-5A

Purchased

No

105

Each

229.0000

3

3



Bolt



10/9/14 SP

Location

Loc Qty

Loc Code

ST356

229

114108

13

114330

116

115016

100

3

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

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Work Order ID: 61898



Parent Item: D350-561-141



Parent Item Name: Single Cargo Mirror Assembly

Start Date: 9/9/2010

Required Date: 9/17/2010

Start Qty: 1.00

Required Qty: 1.00

AN4-10A Purchased No  
Bolt

105 Each 97.0000 1 1



10/9/14 SP

Location Loc Qty Loc Code

ST356 97  
113422 1  
114523 96

AN960JD10 NAS1149D0363J Purchased No  
Washer

105 Each 16.0000 8 8



11/15/2008 10/9/14 SP

Location Loc Qty Loc Code

ST 6  
107715 6  
ST335 10  
105792 10

AN960JD416 NAS1149D0463J Purchased No  
Washer

105 Each 0.0000 8 8



11/15/2008 10/9/14 SP

MS21042L3 Purchased No  
Nut

105 Each 2,081.000 4 4



10/9/14 SP

Location Loc Qty Loc Code

ST300 2081  
104625 10  
114523 109  
114784 1962

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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# Picklist Print

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Work Order ID: 61898



Parent Item: D350-561-141



Parent Item Name: Single Cargo Mirror Assembly

Start Date: 9/9/2010

Required Date: 9/17/2010

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

105

Each

4,154.000

4

4



Nut



10/9/10

Location

Loc Qty

Loc Code

ST300

4154

113422

68

114523

28

114718

16

114784

222

115108

1920

115589

1900

9

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



## 5. PARTS LIST

Qty -041	Qty -043	Qty -045	Qty -141	Qty -143	Part Number	Description
X	1				D350-561-041	SINGLE MIRROR INSTALLATION
	X				D350-561-043	DUAL MIRROR INSTALLATION
	1	X		1	D350-561-045	MIRROR KIT
			X	1	D350-561-141	SINGLE MIRROR INSTALLATION
				X	D350-561-143	DUAL MIRROR INSTALLATION
1		1	1		D2011-101	Mirror
1					D2012-101	Arm
1					D2012-103	Arm
1			1		D2012-105	Arm
2			1		D2012-107	Clevis
1					D2012-109	Bracket
1			1		D2012-111	Bracket
4		2			D2012-113	Clamp
1			1		D2012-115	Bracket
4			2		D2022-101	Spacer
4					D2856-100-325	Abrasion Strip
1*		1*	1*		D3014-1	Locknut
			1		D3629-1	Bracket
			1		D3635-1	Gasket
		2			D3635-3	Gasket
			1		D3646-1	Arm
			1		D3646-3	Arm
			2		D4070-041	Clamp
2		2	3		AN3-4A	Bolt
2			3		AN3-5A	Bolt
1			1		AN3-6A	Bolt
2			1		AN4-10A	Bolt
3			3		AN4-5A	Bolt
14		4	8		AN960JD10	Washer
9		2	8		AN960JD416	Washer
1*		1*	1*		AN960JD416L	Washer
5		2	4		MS21042L3	Nut (or MS21042-3)
5			4		MS21042L4	Nut (or MS21042-4)

\*INCLUDED AS PART OF D2011-101 MIRROR